



smart corridor

INTERSTATE 80
INTEGRATED CORRIDOR MOBILITY

Project Presentation

Spring 2016



CONTRA COSTA
transportation
authority

WCCTAC
West Contra Costa Transportation Advisory Committee

Today's Agenda

- Project Overview
 - Why traffic management on I-80?
 - What is the I-80 SMART Corridor Project?
 - Why this approach?
- Funding & Partners
- Project Status/Construction Schedule
- Public Outreach
- Ways to Stay Informed
- Questions?

PROJECT OVERVIEW

Why Do We Need Traffic Management on the I-80 Corridor?

- Major 20-mile transportation and freight corridor (270,000 cars per day)
- One of the most congested in the region
- Congestion causes secondary accidents, more congestion and unreliable travel times



Why Do We Need Traffic Management on the I-80 Corridor?

Interstate 80

- Without knowledge of accident location, detouring motorists stay on local streets
- We can't build our way out of congestion
- Widening to increase capacity not feasible; housing and environmental areas to either side
- Carpool lanes already 3+



San Pablo Ave

What Is the I-80 SMART Corridor Project?

- Integrated network of technologies to enhance safety and improve travel time reliability
- Most sophisticated system of its kind in California
- Provides real-time information to drivers



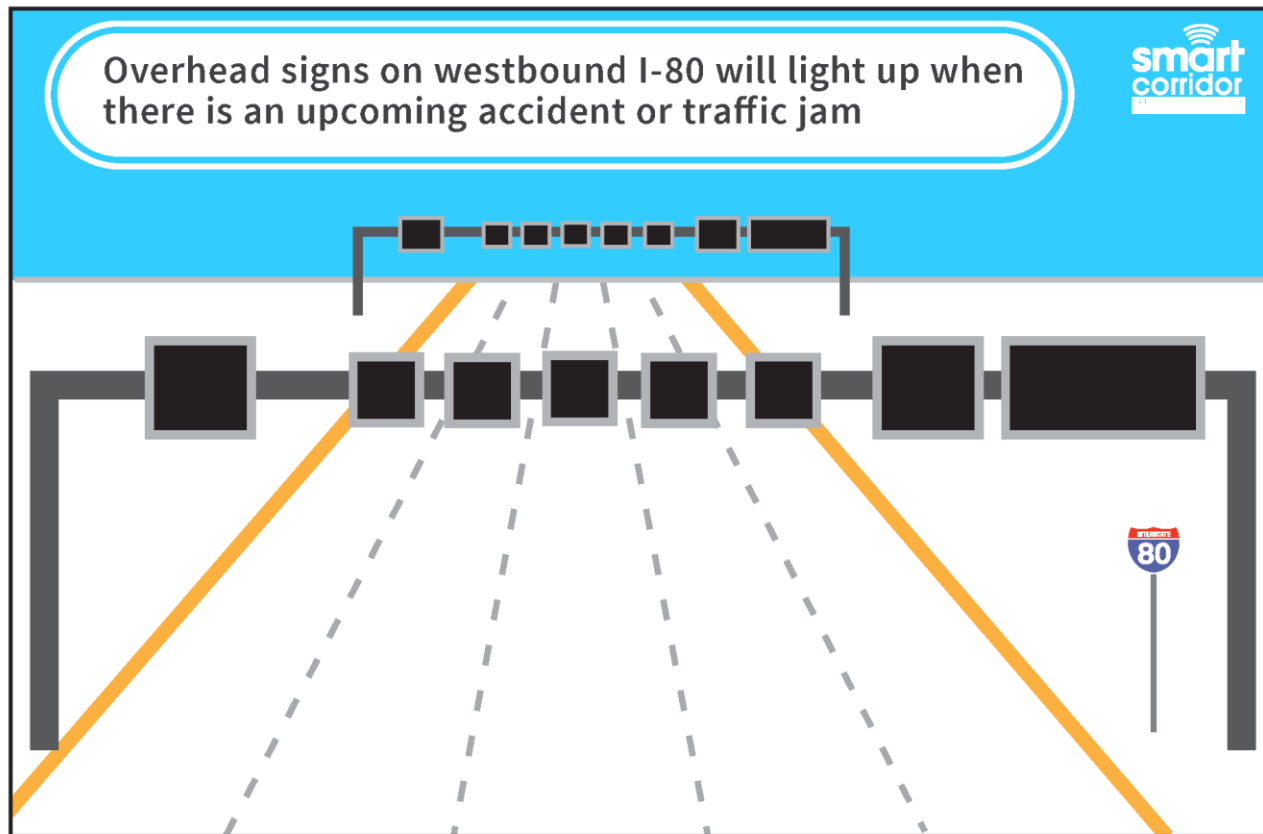
Project Components

A toolbox of strategies for alleviating congestion and improving safety:

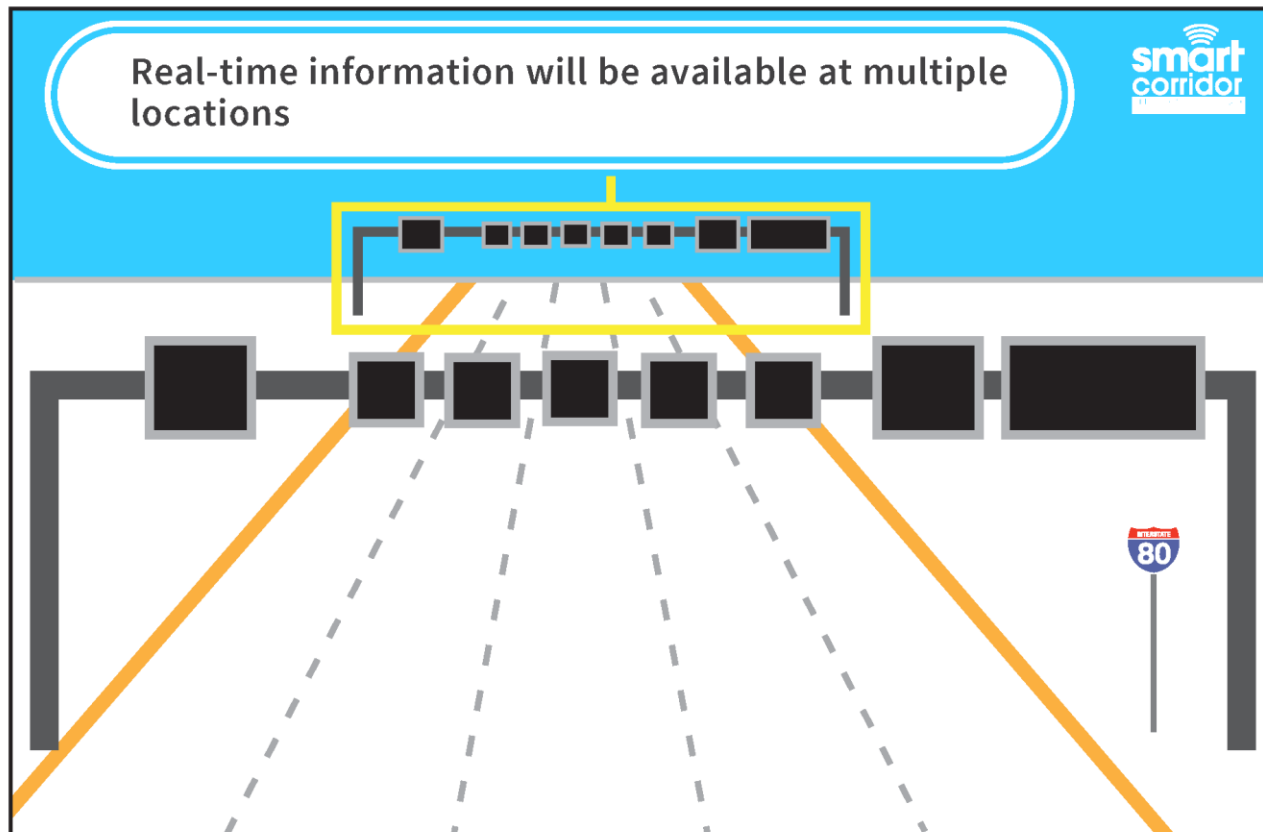
- Traffic Message Signs at six decision points
- Incident Management
 - Variable Advisory Speed Signs
 - Lane Use Signs



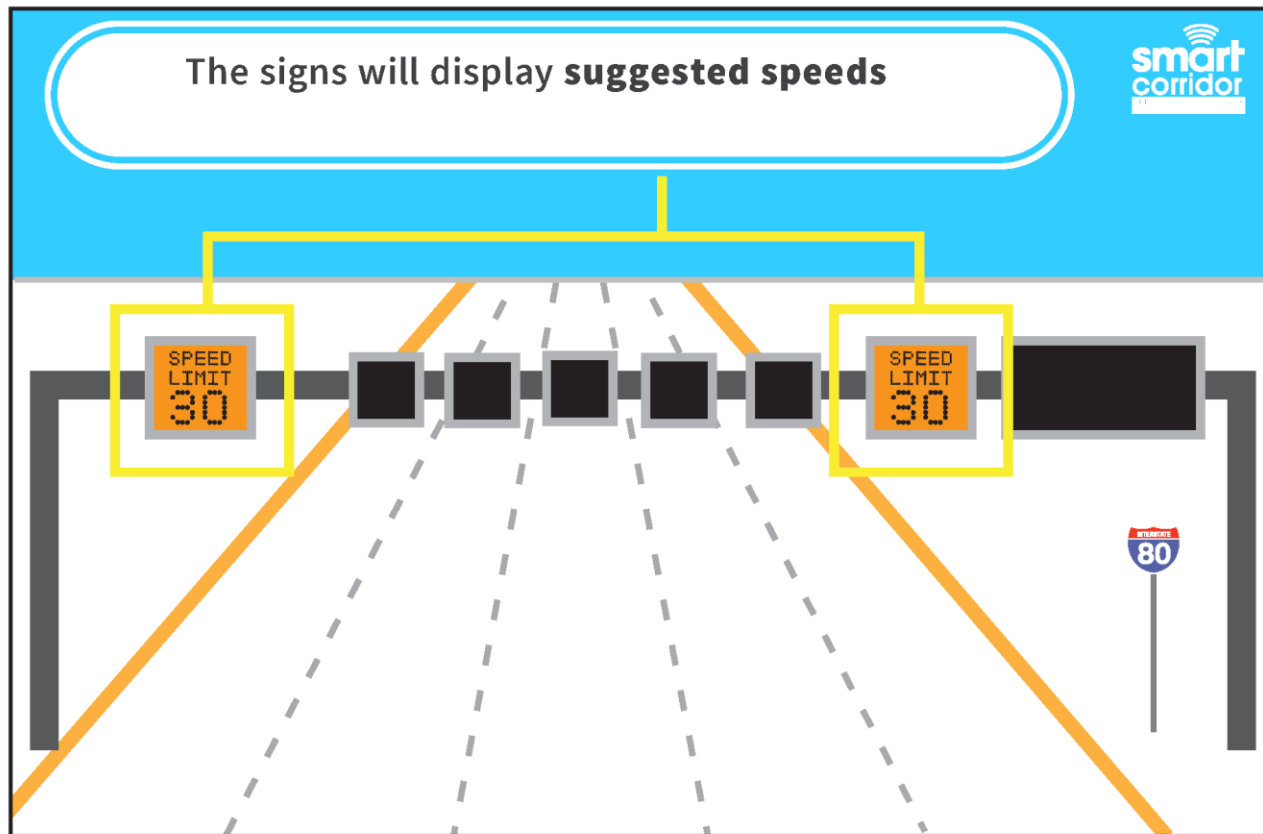
How the Overhead Signs Work



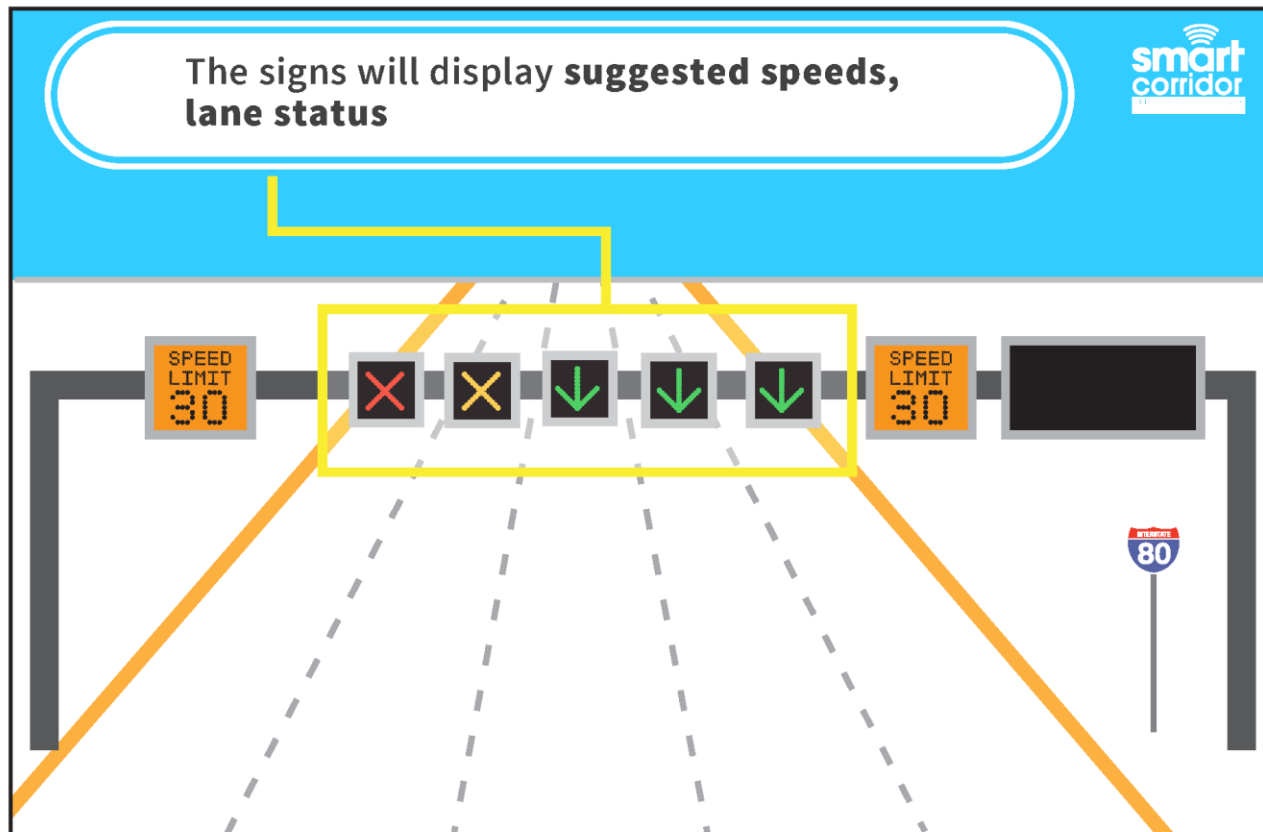
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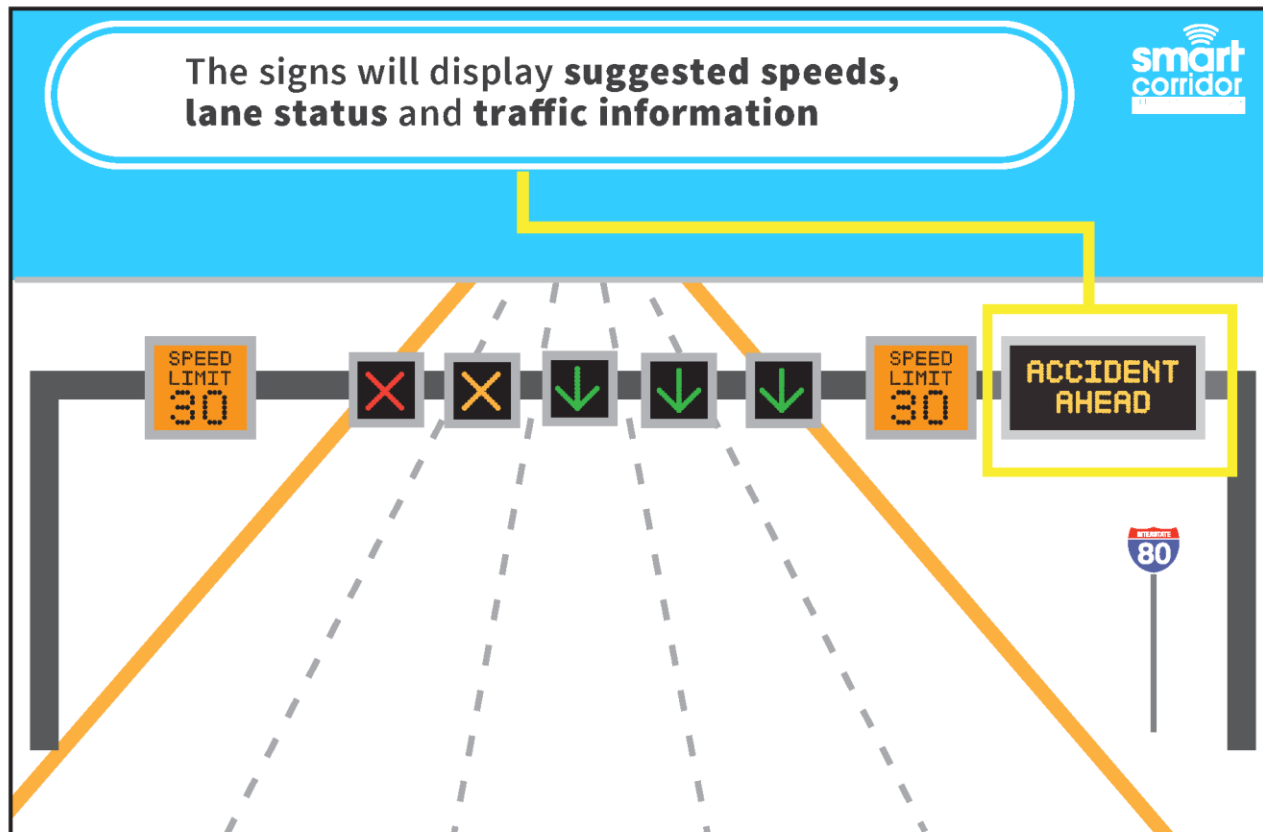
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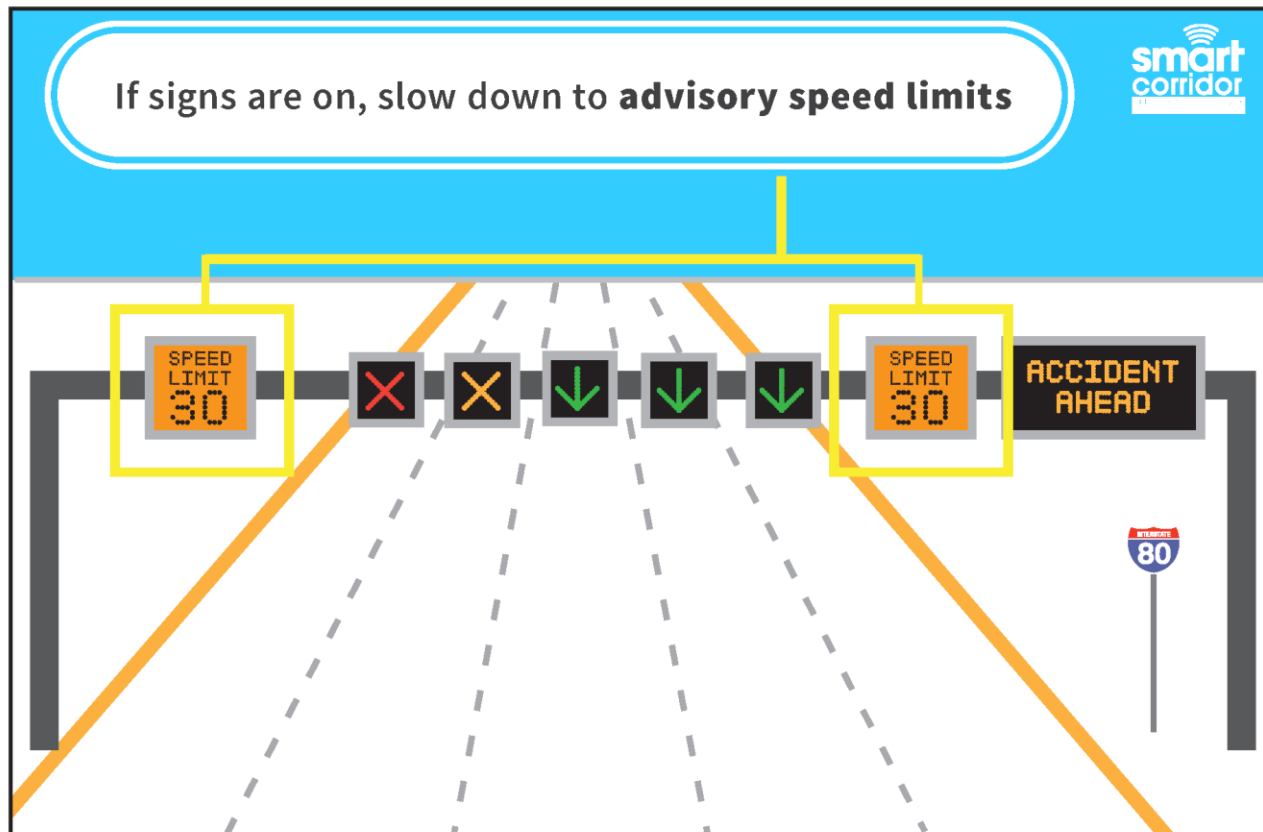
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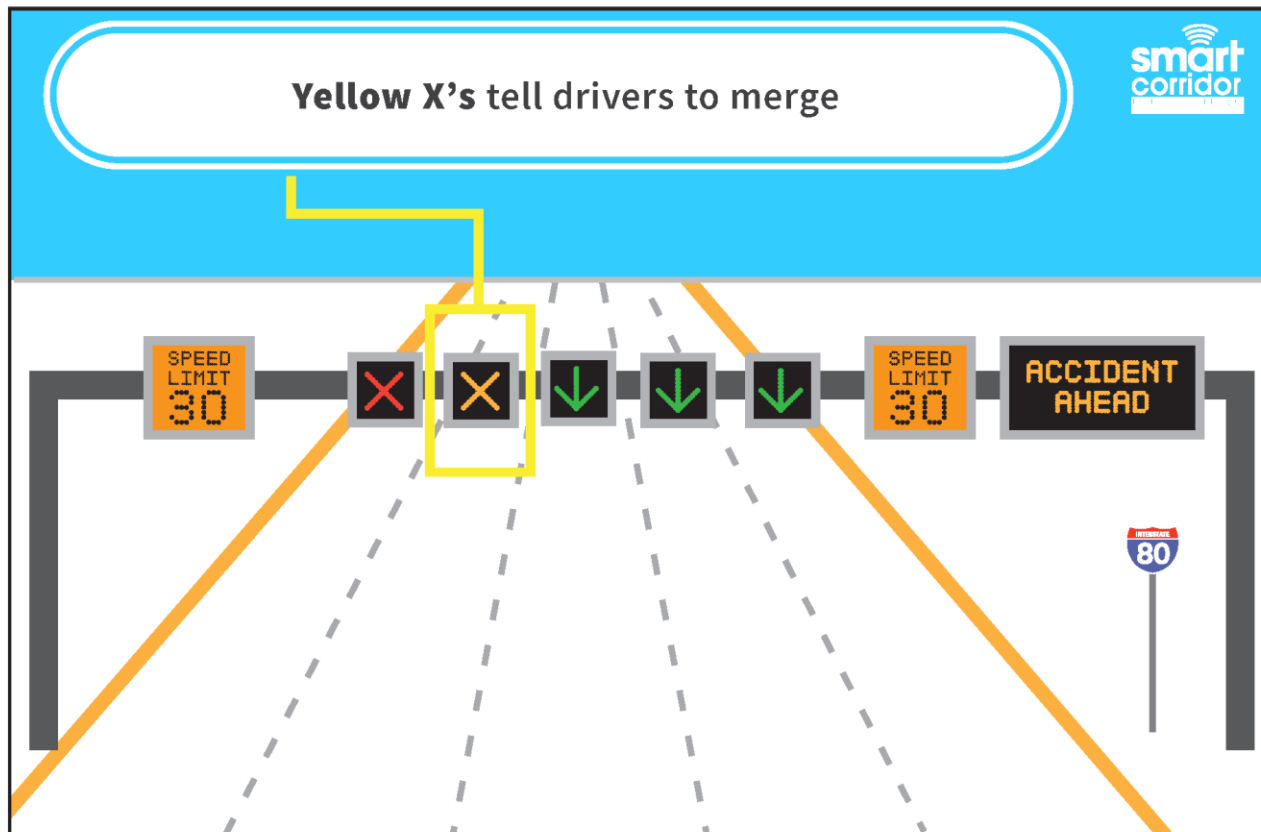
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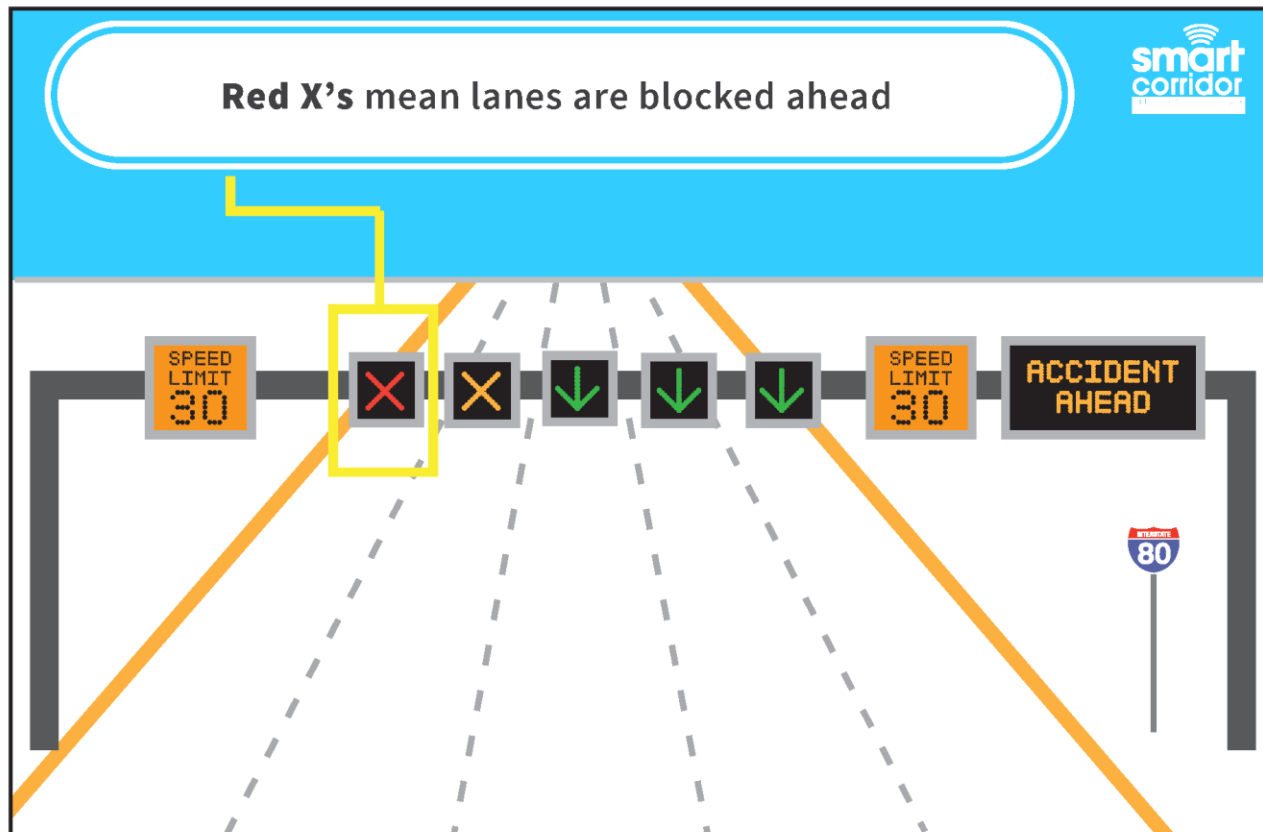
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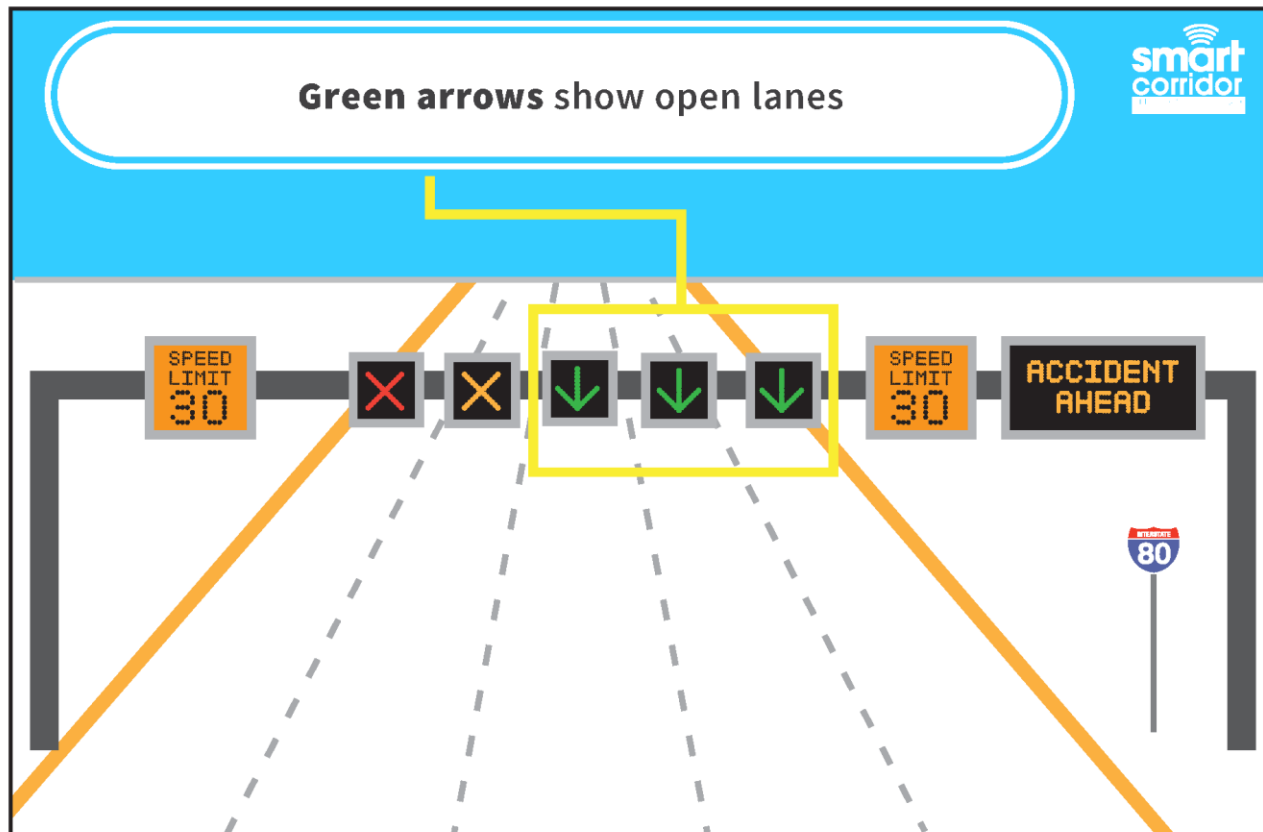
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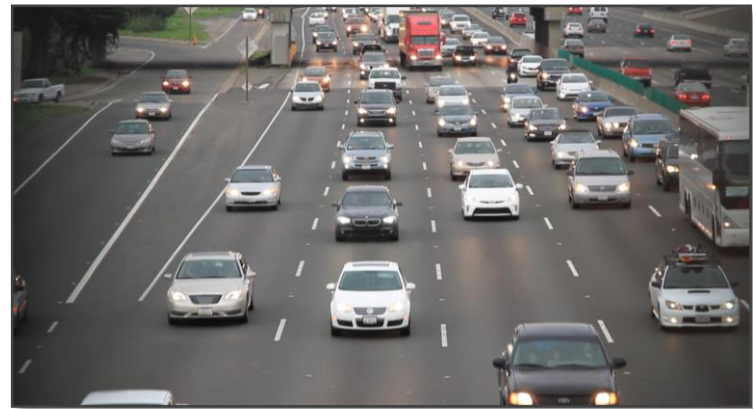
Project Components

- Local street improvements
 - “Trailblazer” signage to guide traffic back to I-80
 - Green light priority for transit
 - Coordination of traffic signal timing
- Adaptive/Coordinated Ramp Metering
 - Some provide priority for transit and carpoolers
 - End of queue detectors to prevent spillback onto local streets
- Integration of interstate and local operations



Project Benefits

- More reliable travel times
- Increased safety and reduction in secondary accidents
- Reduction of associated traffic congestion
- Improved emergency access



Project Status/Construction Schedule

- About 90% complete
- System activation targeted for August/September 2016
- Caltrans will manage and operate the system after activation



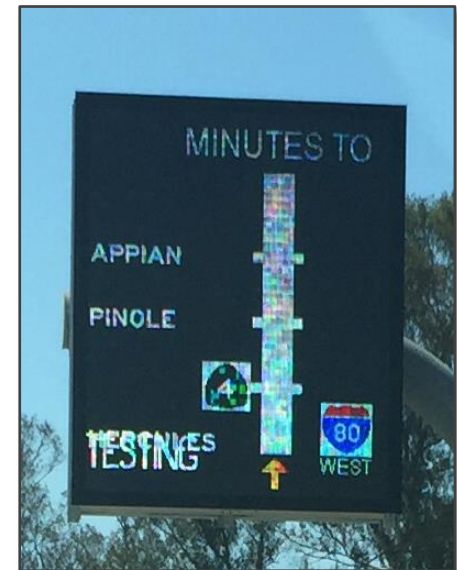
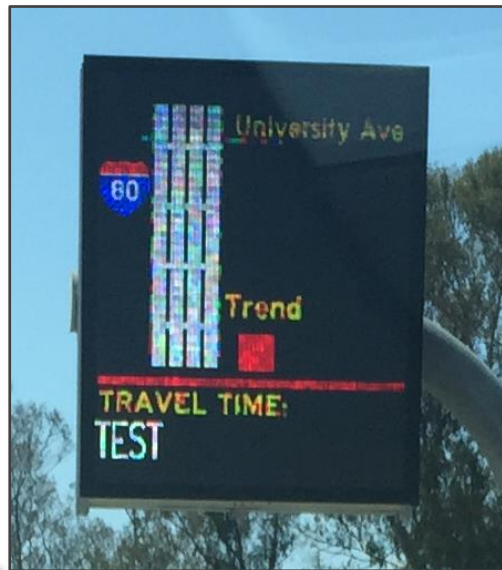
Testing Activities

- Testing Phases
 - Local
 - Remote/Sub-Test
 - Acceptance Test
 - System Integration
- ATM, LUS, VASS, Trailblazer Testing



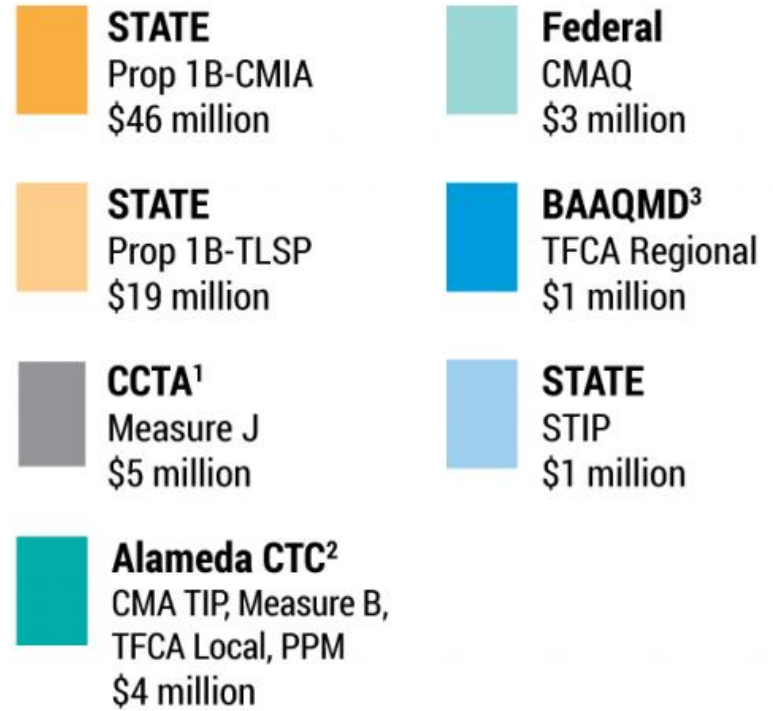
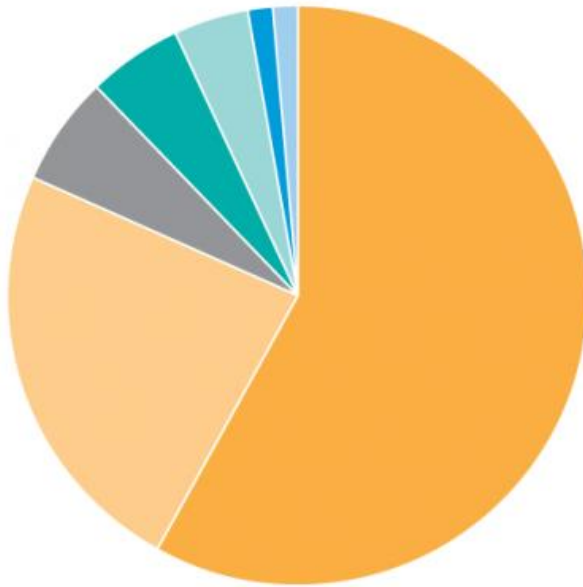
Testing Activities

- IDB Testing



FUNDING & PARTNERS

Total Budget: \$79 million



¹ Contra Costa Transportation Authority

² Alameda County Transportation Commission

³ Bay Area Air Quality Management District

Funding

- Budget of \$79 million, funded primarily by Prop 1B/CMIA funds (approved by CA in 2006 for transportation needs), with local funds (Measure B and Measure J)

Project Partners

Federal Highway
Administration



California Department
of Transportation



West Contra Costa
Transportation Advisory
Committee



AC Transit



Western Contra
Costa Transit
Authority



City of Albany



Contra Costa
County



City of Berkeley



City of San Pablo



City of Emeryville



City of El Cerrito



City of Hercules



City of Pinole



City of Richmond



City of Oakland



PUBLIC OUTREACH

Public Outreach

What to expect:

- Videos & graphics on the project website (80SMARTCorridor.org) explaining the system
- Outreach Toolkit

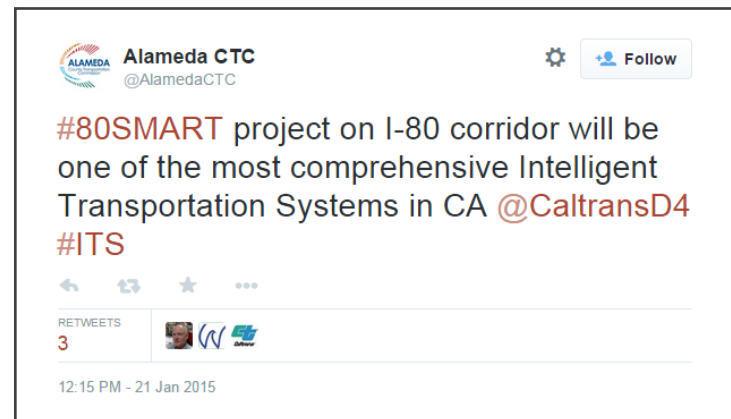


80SMARTCorridor.org



Public Outreach

- Public education campaign
 - Public service announcements
 - News articles in traditional media, TV and radio
 - Presentations to local groups/agencies
- #80SMART on social media



Ways to Stay Informed

- Visit the project website: 80SMARTCorridor.org
 - Sign up to receive email updates and traffic advisories or submit questions
- Call the project hotline (800-474-5031) in English, Spanish, Mandarin or Cantonese
- Stay connected through social media (#80SMART)

Questions?

